- 1. A peripheral for connecting to a terminal via a first channel and for wirelessly connecting to at least one partner appliance via a second channel, the peripheral comprising:
- a transmission/reception unit and an antenna connected to said transmission/reception unit for wirelessly connecting to the at least one partner appliance via the second channel; and

an interface unit for connecting the first channel and the second channel to the terminal.

- 2. The peripheral according to claim 1, wherein data is transmitted bidirectionally in the second channel using an ISM band of 2.4 GHz.
- 3. The peripheral according to claim 1, wherein the second channel is based on a protocol in accordance with standard IEEE 802.11.
- 4. The peripheral according to claim 1, wherein data are transmitted between the terminal and the peripheral in the first channel and the second channel by multiplexing using a given physical medium.
- 5. The peripheral according to claim 1, comprising:

...

a transmission link routing a channel, selected from the group consisting of the first channel and the second channel, between the peripheral and the terminal;

said transmission link being a universal serial bus.

6. The peripheral according to claim 1, in combination with the partner appliance, wherein:

the partner appliance is a terminal that is connected to another peripheral having another transmission/reception unit, an antenna connected to said other transmission/reception unit, and an interface unit.

- 7. The peripheral according to claim 1, in combination with the terminal, wherein the terminal is a data processing system.
- 8. The peripheral according to claim 1, wherein said transmission/reception unit, said antenna, and said interface unit form parts of a device selected from the group consisting of a printer, a mouse, a keyboard, a video camera, and a telephone receiver.

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9. A telephone receiver for connecting to a data processing system via a first channel and for wirelessly connecting to at least one partner appliance via a second channel, the telephone receiver comprising:

a transmission/reception unit and an antenna connected to said transmission/reception unit for wirelessly connecting to the at least one partner appliance via the second channel;

an interface unit for connecting the first channel and the second channel to the data processing system; and

an energy storage device;

a voice link can be set up to the partner appliance using the first channel and also without using the first channel; and

the voice link can be set up when the data processing system is in a state selected from the group consisting a switched on state and a switched off state.

10. The telephone receiver according to claim 9, comprising components selected from the group consisting of control elements and display elements.